



enVista's expertise in pre-build services for manufacturing and distribution center automation systems ensures a smooth integration, less downtime and reduced risk for integrators and end-users.

enVista's pre-build services focus on multi-sided scanning solutions, print-and-apply systems (PANDA), scales and dimensioners. Our engineers will assist in overall project management as well as the design, engineering, implementation and commissioning of an automated system.

**Design Services** – Our design services consist of in-person site surveys to evaluate the system location and fit, identify any physical obstructions, determine communication protocols and gather other critical dimensions to help perform a full system design.

**Controls and Electrical Engineering Services** – Our in-house team of engineers provides programmable logic controllers (PLC) and warehouse control systems (WCS) services as well as dimensioner and other device setup.

## Pre-Build Process

enVista's pre-build process starts with a detailed project kickoff and progresses all the way through system commissioning. It is broken into four phases:

**Project Kickoff and Design** – During this phase, enVista's team of experts begins the pre-build process, gathering pertinent data for the project such as system concept, box sizes, conveyor speeds and more. From there, enVista will work to finalize the system's detailed design and confirm the bills of material (BOM).

**Procurement** – Once the initial phase is complete, enVista moves into the procurement stage of the pre-build process, where all materials required will be ordered, lead times confirmed and component orders tracked.

enVista's experts will update and confirm the project schedule based on the material lead times, and work to gather customer sample materials such as cartons, totes and barcodes.

**Pre-Build** – Once required materials are delivered, enVista's team begins the pre-build; assembling the componentry into the system mechanically and electrically. Components are powered on, set-up and configured based on the design specifications. Then, our team performs both static and dynamic testing, ensuring system(s) performance prior to shipment.

**Commissioning** – Once shipped, enVista will set the system in place, performing both mechanical and electrical installation. The team performs on-site static and dynamic testing, verifies communications with host system, and then performs volume testing to ensure the designed capacities and functionality is proven to client satisfaction.

## enVista's Key Differentiators

The key benefit of working with enVista and its pre-build team is that we ensure your system works before shipping it to your facility. Our team will take advantage of our testing facility to ensure all elements are in place, assembled and working as expected.

Some of the other benefits of utilizing enVista's pre-build team include:

**Reduced Risk** – At its core, enVista's pre-build service reduce risks for both integrators and end-users. Our proven testing process means reduced downtime and a smoother integration.

**Factory-Trained Engineers** – enVista has an experienced team vendor-trained resources with backgrounds in electrical engineering and a proven track record of successful on-site troubleshooting.

**In-House Engineering Staff** – Our in-house mechanical, electrical and software engineers have extensive experience with design, implementation and support of automation systems in both manufacturing and distribution environments. This team provides end-users with both upstream and downstream integrations including programmable logic controllers and warehouse control systems. Additionally, they support the system beyond the pre-build process once on site.

**Design Accuracy** – enVista's team performs thorough testing in its own facility before shipping systems to customers, ensuring the system performs as expected allowing for a smooth integration on site.

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## About enVista

enVista is a global software, consulting, managed services and automation firm, optimizing and transforming physical and digital commerce for the world's leading manufacturers, distributors, 3PLs/LSPs and omnichannel retailers. enVista uniquely optimizes and transforms physical and digital commerce – optimizing supply chain efficiencies to drive cost savings, and unifying commerce to drive customer engagement and revenue. These comprehensive capabilities and the firm's ability to consult, implement and operate across supply chain, transportation, IT, enterprise business solutions and omnichannel commerce, allow mid-market and Fortune 100/5000 companies to leverage enVista as a trusted advisor across their enterprises.

**Consulting and solutions delivery is in our DNA.**

**Let's have a conversation.™**

info@envistacorp.com | envistacorp.com